

***** STN Columbus *****
FILE 'HOME' ENTERED AT 10:44:15 ON 01 MAR 2007

=> file-casreact
COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
0.21	0.21

FULL ESTIMATED COST

FILE 'CASREACT' ENTERED AT 10:44:33 ON 01 MAR 2007
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FILE CONTENT:1840 - 25 Feb 2007 VOL 146 ISS 9

New CAS Information Use Policies, enter HELP USAGETERMS for details.

*
* CASREACT now has more than 12 million reactions *
*

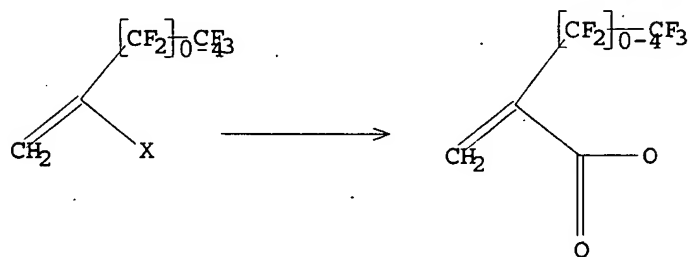
Some CASREACT records are derived from the ZIC/VINITI database (1974-1999) provided by InfoChem, INPI data prior to 1986, and Biotransformations database compiled under the direction of Professor Dr. Klaus Kieslich.

This file contains CAS Registry Numbers for easy and accurate substance identification.

=>
Uploading C:\Program Files\Stnexp\Queries\10550387.str

L1 STRUCTURE UPLOADED

=> d.
L1 HAS NO ANSWERS
L1 STR



Structure attributes must be viewed using STN Express query preparation.

=> s l1
SAMPLE SEARCH INITIATED 10:44:58 FILE 'CASREACT'
SCREENING COMPLETE - 18 REACTIONS TO VERIFY FROM 3 DOCUMENTS
100.0% DONE 18 VERIFIED 0 HIT RXNS 0 DOCS

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**

PROJECTED VERIFICATIONS: 106 TO 614

PROJECTED ANSWERS: 0 TO 0

L2 0 SEA-SSS-SAM L1 (0 REACTIONS)

=> s l1 ful

FULL SEARCH INITIATED 10:45:05 FILE 'CASREACT'

SCREENING COMPLETE - 294 REACTIONS TO VERIFY FROM 49 DOCUMENTS

100.0% DONE 294 VERIFIED 9 HIT RXNS 8 DOCS

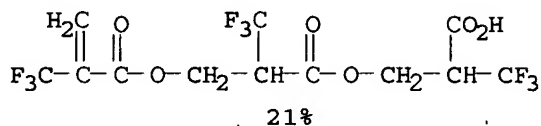
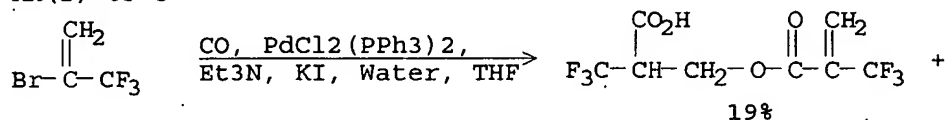
SEARCH TIME: 00.00.01

L3 8 SEA SSS FUL L1 (9 REACTIONS)

=> d l3 1-8

L3 ANSWER 1 OF 8 CASREACT COPYRIGHT 2007 ACS on STN

RX(2) OF 3



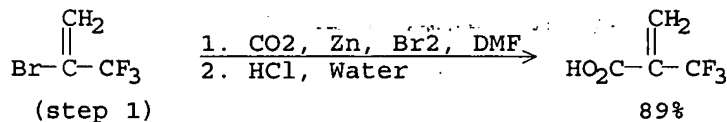
REF: Jpn. Kokai Tokkyo Koho, 2003261512, 19 Sep 2003

NOTE: alternative prepn. shown

CON: 8 hours, 70 - 75 deg C, 0.9 - 1 MPa

L3 ANSWER 2 OF 8 CASREACT COPYRIGHT 2007 ACS on STN

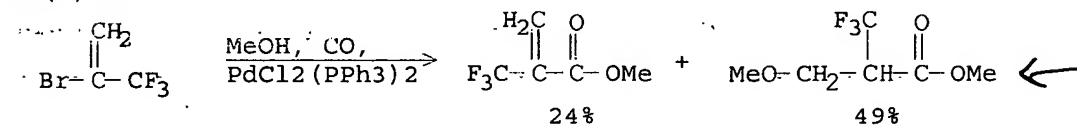
RX(1) OF 2



REF: Jpn. Kokai Tokkyo Koho, 2001288138, 16 Oct 2001

L3 ANSWER 3 OF 8 CASREACT COPYRIGHT 2007 ACS on STN

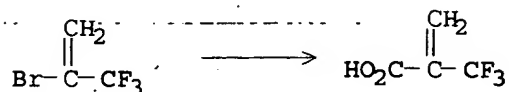
RX(1) OF 6



REF: Journal of Molecular Catalysis A: Chemical, 143(1-3), 287-295; 1999

NOTE: ANALOGUE ALCOHOLS HAVE SIMILAR REACTOION

RX(7) OF 7



81%

REF: Toso Kenkyu Hokoku, 34(1), 17-24; 1990

L3 ANSWER 5 OF 8 CASREACT COPYRIGHT 2007 ACS on STN

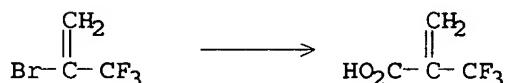
RX(1) OF 5



REF: Jpn. Kokai Tokkyo Koho, 60161947, 23 Aug 1985, Showa

L3 ANSWER 6 OF 8 CASREACT COPYRIGHT 2007 ACS on STN

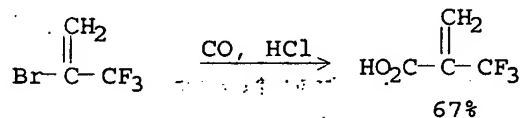
RX(2) OF 3



REF: Jpn. Kokai Tokkyo Koho, 60019771, 31 Jan 1985, Showa

L3 ANSWER 7 OF 8 CASREACT COPYRIGHT 2007 ACS on STN

RX(2) OF 15



67%

REF: Synthesis, (9), 766-8; 1984

L3 ANSWER 8 OF 8 CASREACT COPYRIGHT 2007 ACS on STN

RX(5) OF 31



REF: Eur. Pat. Appl., 103436, 21 Mar 1984

=>

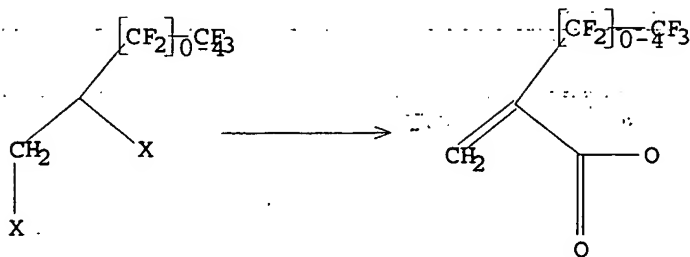
Uploading C:\Program Files\Stnexp\Queries\0550387.str

L4 STRUCTURE UPLOADED

=> d

L4 HAS NO ANSWERS

L4 STR



Structure attributes must be viewed using STN Express query preparation.

=> s l4

SAMPLE SEARCH INITIATED 10:48:11 FILE 'CASREACT'
SCREENING COMPLETE - 638 REACTIONS TO VERIFY FROM 100 DOCUMENTS

100.0% DONE 638 VERIFIED 0 HIT RXNS 0 DOCS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**

PROJECTED VERIFICATIONS: 11246 TO 14274
PROJECTED ANSWERS: 0 TO 0

L5 0 SEA SSS SAM L4 (0 REACTIONS)

=> s l4 ful

FULL SEARCH INITIATED 10:48:28 FILE 'CASREACT'
SCREENING COMPLETE - 17115 REACTIONS TO VERIFY FROM 2099 DOCUMENTS

100.0% DONE 17115 VERIFIED 0 HIT RXNS 0 DOCS
SEARCH TIME: 00.00.03

L6 0 SEA SSS FUL L4 (0 REACTIONS)

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:SSPTAJYC1621

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * Welcome to STN International * * * * *

NEWS	1		Web Page URLs for STN Seminar Schedule - N. America
NEWS	2		"Ask CAS" for self-help around the clock
NEWS	3	OCT 23	The Derwent World Patents Index suite of databases on STN has been enhanced and reloaded
NEWS	4	OCT 30	CHEMLIST enhanced with new search and display field
NEWS	5	NOV 03	JAPIO enhanced with IPC 8 features and functionality
NEWS	6	NOV 10	CA/CAPLUS F-Term thesaurus enhanced
NEWS	7	NOV 10	STN Express with Discover! free maintenance release Version 8.01c now available
NEWS	8	NOV 20	CA/CAPLUS to MARPAT accession number crossover limit increased to 50,000
NEWS	9	DEC 01	CAS REGISTRY updated with new ambiguity codes
NEWS	10	DEC 11	CAS REGISTRY chemical nomenclature enhanced
NEWS	11	DEC 14	WPIDS/WPINDEX/WPIX manual codes updated
NEWS	12	DEC 14	GBFULL and FRFULL enhanced with IPC 8 features and functionality
NEWS	13	DEC 18	CA/CAPLUS pre-1967 chemical substance index entries enhanced with preparation role
NEWS	14	DEC 18	CA/CAPLUS patent kind codes updated
NEWS	15	DEC 18	MARPAT to CA/CAPLUS accession number crossover limit increased to 50,000
NEWS	16	DEC 18	MEDLINE updated in preparation for 2007 reload
NEWS	17	DEC 27	CA/CAPLUS enhanced with more pre-1907 records
NEWS	18	JAN 08	CHEMLIST enhanced with New Zealand Inventory of Chemicals
NEWS	19	JAN 16	CA/CAPLUS Company Name Thesaurus enhanced and reloaded
NEWS	20	JAN 16	IPC version 2007.01 thesaurus available on STN
NEWS	21	JAN 16	WPIDS/WPINDEX/WPIX enhanced with IPC 8 reclassification data
NEWS	22	JAN 22	CA/CAPLUS updated with revised CAS roles
NEWS	23	JAN 22	CA/CAPLUS enhanced with patent applications from India
NEWS	24	JAN 29	PHAR reloaded with new search and display fields
NEWS	25	JAN 29	CAS Registry Number crossover limit increased to 300,000 in multiple databases
NEWS	26	FEB 13	CASREACT coverage to be extended
NEWS	27	Feb 15	PATDPASPC enhanced with Drug Approval numbers
NEWS	28	Feb 15	RUSSIAPAT enhanced with pre-1994 records
NEWS	29	Feb 23	KOREAPAT enhanced with IPC 8 features and functionality
NEWS	30	Feb 26	MEDLINE reloaded with enhancements
NEWS	31	Feb 26	EMBASE enhanced with Clinical Trial Number field
NEWS	32	Feb 26	TOXCENTER enhanced with reloaded MEDLINE
NEWS	33	Feb 26	IFICDB/IFIPAT/IFIUDB reloaded with enhancements
NEWS	34	Feb 26	CAS Registry Number crossover limit increased from 10,000 to 300,000 in multiple databases

NEWS EXPRESS NOVEMBER 10 CURRENT WINDOWS VERSION IS V8.01c, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 25 SEPTEMBER 2006.

NEWS HOURS STN Operating Hours Plus Help Desk Availability

NEWS LOGIN Welcome Banner and News Items
NEWS IPC8 For general information regarding STN implementation of IPC 8
NEWS X25 X.25 communication option no longer available

Enter NEWS followed by the item number or name to see news on that specific topic.

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* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 10:28:18 ON 01 MAR 2007

=> file registry		
COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'REGISTRY' ENTERED AT 10:28:33 ON 01 MAR 2007
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Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 28 FEB 2007 HIGHEST RN 923894-67-1
DICTIONARY FILE UPDATES: 28 FEB 2007 HIGHEST RN 923894-67-1

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH December 2, 2006

Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/ONLINE/UG/regprops.html>

=>
Uploading C:\Program Files\Stnexp\Queries\10550387.str

L1 STRUCTURE UPLOADED

=> d l1
L1 HAS NO ANSWERS
L1 STR
*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

Structure attributes must be viewed using STN Express query preparation.

=> file casreact		
COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	0.45	0.66

FILE 'CASREACT' ENTERED AT 10:29:25 ON 01 MAR 2007
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FILE CONTENT:1840 - 25 Feb 2007 VOL 146 ISS 9

New CAS Information Use Policies, enter HELP USAGETERMS for details.

```
*****
*
*      CASREACT now has more than 12 million reactions      *
*
*****
```

Some CASREACT records are derived from the ZIC/VINITI database (1974-1999) provided by InfoChem, INPI data prior to 1986, and Biotransformations database compiled under the direction of Professor Dr. Klaus Kieslich.

This file contains CAS Registry Numbers for easy and accurate substance identification.

=>
Uploading C:\Program Files\Stnexp\Queries\10550387.str

L2 STRUCTURE UPLOADED

=> d 12
L2 HAS NO ANSWERS
L2 STR
*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

Structure attributes must be viewed using STN Express query preparation.

=> s 12
SAMPLE SEARCH INITIATED 10:29:57 FILE 'CASREACT'
SCREENING COMPLETE - 0 REACTIONS TO VERIFY FROM 0 DOCUMENTS

100.0% DONE 0 VERIFIED 0 HIT RXNS 0 DOCS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
 BATCH **COMPLETE**
PROJECTED VERIFICATIONS: 0 TO 0
PROJECTED ANSWERS: 0 TO 0

L3 0 SEA SSS SAM L2 (0 REACTIONS)

=> s 12 sss full
FULL SEARCH INITIATED 10:30:19 FILE 'CASREACT'
SCREENING COMPLETE - 0 REACTIONS TO VERIFY FROM 0 DOCUMENTS

100.0% DONE 0 VERIFIED 0 HIT RXNS 0 DOCS
SEARCH TIME: 00.00.05

L4 0 SEA SSS FUL L2 (0 REACTIONS)

=> d scan

L4 HAS NO ANSWERS

=>

Uploading C:\Program Files\Stnexp\Queries\10550387-a.str

L5 STRUCTURE UPLOADED

=> d 15

L5 HAS NO ANSWERS

L5 STR

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

Structure attributes must be viewed using STN Express query preparation.

=> s 15

SAMPLE SEARCH INITIATED 10:32:34 FILE 'CASREACT'

SCREENING COMPLETE - 0 REACTIONS TO VERIFY FROM 0 DOCUMENTS

100.0% DONE 0 VERIFIED 0 HIT RXNS 0 DOCS

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**

 BATCH **COMPLETE**

PROJECTED VERIFICATIONS: 0 TO 0

PROJECTED ANSWERS: 0 TO 0

L6 0 SEA SSS SAM L5 (0 REACTIONS)

=> s 15 full

FULL SEARCH INITIATED 10:32:45 FILE 'CASREACT'

SCREENING COMPLETE - 0 REACTIONS TO VERIFY FROM 0 DOCUMENTS

100.0% DONE 0 VERIFIED 0 HIT RXNS 0 DOCS

SEARCH TIME: 00.00.01

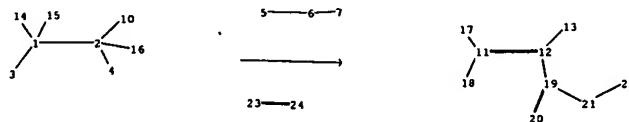
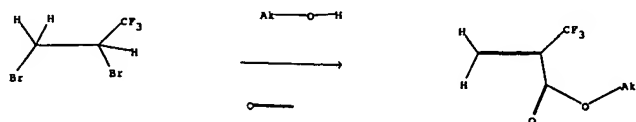
L7 0 SEA SSS FUL L5 (0 REACTIONS)

=> d scan

L7 HAS NO ANSWERS

=> logoff

ALL L# QUERIES AND ANSWER SETS ARE DELETED AT LOGOFF



chain nodes :
 1 2 3 4 5 6 7 10 11 12 13 14 15 16 17 18 19 20 21 22 23
 24
 chain bonds :
 1-2 1-3 1-14 1-15 2-4 2-10 2-16 5-6 6-7 11-12 11-17 11-18 12-13
 12-19 19-20 19-21 21-22 23-24
 exact/norm bonds :
 5-6 19-20 19-21 21-22 23-24
 exact bonds :
 1-2 1-3 1-14 1-15 2-4 2-10 2-16 6-7 11-12 11-17 11-18 12-13
 12-19

Match level :
 1:CLASS 2:CLASS 3:CLASS 4:CLASS 5:CLASS 6:CLASS 7:CLASS 10:CLASS
 11:CLASS 12:CLASS 13:CLASS 14:CLASS 15:CLASS 16:CLASS 17:CLASS
 18:CLASS 19:CLASS 20:CLASS 21:CLASS 22:CLASS 23:CLASS 24:CLASS
 fragments assigned product role:
 containing 11
 fragments assigned reactant/reagent role:
 containing 1
 containing 5
 containing 23



chain nodes :

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17

chain bonds :

1-2 1-3 1-9 1-10 2-4 2-5 2-11 6-7 6-12 6-13 7-8 7-14 14-15
14-16 16-17

exact/norm bonds :

14-15 14-16 16-17

exact bonds :

1-2 1-3 1-9 1-10 2-4 2-5 2-11 6-7 6-12 6-13 7-8 7-14

Match level :

1:CLASS 2:CLASS 3:CLASS 4:CLASS 5:CLASS 6:CLASS 7:CLASS 8:CLASS
9:CLASS 10:CLASS 11:CLASS 12:CLASS 13:CLASS 14:CLASS 15:CLASS
16:CLASS 17:CLASS

fragments assigned product role:

containing 6

fragments assigned reactant/reagent role:

containing 1



EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	207235	"acrylic acid ester" or "acrylic acid"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/03/01 14:35
L2	2	I1 and perfluoroalkylethene	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/03/01 14:36
L3	807	I1 and alcohol and palladium and catalyst and "carbon monoxide" and base	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/03/01 14:38
L4	584	I3 and inorganic	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/03/01 14:38
L5	119	I3 and "inorganic base"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/03/01 14:38
L6	316	I3 and fluorine	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/03/01 14:38
L7	67	I5 and fluorine	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/03/01 14:39
L8	607	(560/227).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2007/03/01 14:39

EAST Search History

L9	669	(560/226).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2007/03/01 14:40
L10	124	(562/520).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2007/03/01 14:40
L11	1299	I8 or I9 or I10	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/03/01 14:40
L12	1	I11 and I7	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/03/01 14:40
L13	1428	I11 and I6	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/03/01 14:40
L14	1	I11 and I6	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/03/01 14:41
L15	4	I11 and I3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/03/01 14:41
L16	106	I11 and I1	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/03/01 14:41

EAST Search History

S1	2	("4855487").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/03/01 14:35
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